

Charakteristika predkladaného výstupu tvorivej činnosti / Characteristics of the submitted research/ artistic/other output

Tlačivo VTC slúži na predkladanie výstupov tvorivej činnosti podľa metodiky hodnotenia tvorivých činností (časť V. Metodiky na vyhodnocovanie štandardov) / The form is used to submit the research/artistic/other outputs according to the evaluation methodology of research/artistic/other activities (part V. The Methodology for Standards Evaluation).

ID konania/ID of the procedure: ¹	
Kód VTC/Code of the research/artistic/other output (RAOO): ¹	

OCA1. Priezvisko hodnotenej osoby / Surname awarded to the assessed person ²	Klimas
OCA2. Meno hodnotenej osoby / Name awarded to the assessed person ²	Ján
OCA3. Tituly hodnotenej osoby / Degrees awarded to the assessed person ²	prof., PharmDr., PhD., MPH.
OCA4. Hyperlink na záznam osoby v Registri zamestnancov vysokých škôl / Hyperlink to the entry of the person in the Register of university staff ³	https://www.portalys.sk/regzam/detail/3726
OCA5. Oblasť posudzovania / Area of assessment ⁴	Magisterský študijný program Farmácia / Master Degree Study Programme Pharmacy - Doktorandský študijný program Klinická farmácia/PhD.Study
OCA6. Kategória výstupu tvorivej činnosti / Category of the research/ artistic/other output <i>Výber zo 6 možností (pozri Vysvetlivky k položke OCA6) / Choice from 6 options (see Explanations for OCA6).</i>	vedecký výstup / scientific output
OCA7. Rok vydania výstupu tvorivej činnosti / Year of publication of the research/artistic/other output	2015
OCA8. ID záznamu v CREPČ alebo CREUČ (ak je) / ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA) ⁵	UK.Bratislava.vtls000304207
OCA9. Hyperlink na záznam v CREPČ alebo CREUČ / Hyperlink to the record in CRPA or CRAA ⁶	http://www.crepc.sk/portal?fn=*recview&uid=1679622&pagelid=resultform&full=0
alebo CREUČ / Characteristics of the output that is not registered in CRPA or CRAA	OCA10. Hyperlink na záznam v inom verejne prístupnom registri, katalógu výstupov tvorivých činností / Hyperlink to the record in another publicly accessible register, catalogue of research/ artistic/other outputs ⁷
	https://www.scopus.com/record/display.uri?eid=2-s2.0-84936068274&origin=resultslist&sort=plf-f&featureToggles=FEATURE_NEW_DOC_DETAILS_EXPORT:1
	OCA11. Charakteristika výstupu vo formáte bibliografického záznamu CREPČ alebo CREUČ, ak výstup nie je vo verejne prístupnom registri alebo katalógu výstupov / Characteristics of the output in the format of the CRPA or the CRAA bibliographic record, if the output is not available in a publicly accessible register or catalogue of outputs
	N/A
OCA12. Typ výstupu (ak nie je výstup registrovaný v CREPČ alebo CREUČ) / Type of the output (if the output is not registered in CRPA or CRAA) <i>Výber zo 67 možností (pozri Vysvetlivky k položke OCA12) / Choice from 67 options (see Explanations for OCA12).</i>	
OCA13. Hyperlink na stránku, na ktorej je výstup sprístupnený (úplný text, iná dokumentácia a podobne) / Hyperlink to the webpage where the output is available (full text, other documentation, etc.)	https://www.nature.com/articles/hr201530#:~:text=The%20effect%20of%20antihypertensive%20agents,QT%20interval%20is%20well%20accepted.&text=Specific%20agents%2C%20primarily%20antiarrhythmic%20drugs,interval%20via%20different%20pharmacological%20mechanisms.
OCA14. Charakteristika autorského vkladu / Characteristics of the author's contribution	Literárna rešerš, príprava rukopisu / Literature search, preparation of manuscript

Charakteristika výstupu, ktorý nie je registrovaný v CREPČ	OCA15. Anotácia výstupu s kontextovými informáciami týkajúcimi sa opisu tvorivého procesu a obsahu tvorivej činnosti a pod. / Annotation of the output with contextual information concerning the description of creative process and the content of the research/artistic/other activity, etc. ⁸ <i>Rozsah do 200 slov v slovenskom jazyku / Range up to 200 words in Slovak</i> <i>Rozsah do 200 slov v anglickom jazyku / Range up to 200 words in English</i>	Abnormality komorovej repolarizácie sú dôležitou súčasťou EKG diagnostiky aj medicínskeho rozhodovania. Trvanie QT intervalu merané 12-zvodovou elektrokardiografiou je mierou repolarizácie a široko sa používa na popis srdcových abnormalít, na určenie prítomnosti srdcovej toxicity alebo na vyhodnotenie bezpečnosti lieku. Aj malé, nešpecifické abnormality repolarizácie môžu zvýšiť riziko kardiovaskulárnych príhod u hypertenznej populácie. V prehľadnom článku diskutujeme o tom, či hypertenzia moduluje QT interval, a teda zodpovedá za mechanizmus, ktorým hypertenzia zvyšuje pravdepodobnosť výskytu fatálnych srdcových príhod napriek účinkom antihypertenzív na QT interval. / Abnormalities of ventricular repolarization are an important component of both ECG diagnostics and medical decision-making. The duration of the QT interval as measured by 12-lead electrocardiography is a measure of repolarization and is widely used to describe cardiac abnormalities, to determine the presence of cardiac toxicity or to evaluate drug safety. Even small, non-specific abnormalities of repolarization may increase the risk of cardiovascular events in the hypertensive population. In review paper, we discuss whether hypertension modulates the QT interval and therefore accounts for a mechanism by which hypertension increases the likelihood of the occurrence of fatal cardiac events despite the effects of antihypertensive agents on the QT interval.
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OCA16. Anotácia výstupu v anglickom jazyku / Annotation of the output in English⁹ <i>Rozsah do 200 slov / Range up to 200 words</i>	The duration of the QT interval as measured by 12-lead electrocardiography is a measure of myocardial repolarization and is widely used to describe cardiac abnormalities, to determine the presence of cardiac toxicity and to evaluate drug safety. In hypertension, the QT interval is a predictor of the risk of both coronary events and cardiovascular death, after adjusting for the effects of additional risk factors. The mechanism of QT interval prolongation is multifactorial and includes cardiomyocyte hypertrophy and increased left ventricular mass, with accompanying changes in left ventricular transmural dispersion of repolarization, as well as changes in the tone of the autonomic nervous system of some patients with hypertension and mechano-electrical feedback, although this mechanism is less likely. Antihypertensive drugs vary in their effect on QT interval duration. The mechanisms underlying their effect depend on changes in left ventricular mass and autonomic nervous system tone, as well as changes in the activity of cardiac ion channels. Although blood pressure reduction is the primary goal of antihypertensive drug therapy and although the choice of antihypertensive drug treatment regimens varies among different individuals, the data regarding the disparate effects of antihypertensive drugs on the duration of the QT interval warrant consideration when implementing long-term pharmacotherapy for hypertension.
OCA17. Zoznam najviac 5 najvýznamnejších ohlasov na výstup / List of maximum 5 most significant citations corresponding to the output <i>Rozsah do 200 slov / Range up to 200 words</i>	[o1] 2016 Gierthmuehlen, M. - Plachta, D.T.T.: Hypertension Research, Vol. 39, No. 2, 2016, s. 87 - SCOPUS, [o1] 2017 Batkai, S. - Foinquinos, A.: Hypertension Research, Vol. 40, No. 7, 2017, s. 634 - SCOPUS, [o1] 2017 Ruppert, M. - Korkmaz-Icoz, S. - Li, S. - Merkely, B. - Karck, M. - Radovits, T. - Szabo, G.: Hypertension Research, Vol. 40, No. 7, 2017, s. 645 - SCOPUS, [o1] 2020 Mendell, J.a, Kobayashi, F.b, Shimizu, T.b: Clinical Pharmacology in Drug Development, Vol. 9, No. 6, 2020, s. 718 - SCOPUS, [o1] 2021 Lawal, O.M. - Enikuomehin, A. - Otubogun, F.: International Journal of General Medicine, Vol.14, 2021, s.1421 - SCOPUS
OCA18. Charakteristika dopadu výstupu na spoločensko-hospodársku prax / Characteristics of the output's impact on socio-economic practice <i>Rozsah do 200 slov v slovenskom jazyku / Range up to 200 words in Slovak</i> <i>Rozsah do 200 slov v anglickom jazyku / Range up to 200 words in English</i>	V prehľadovom článku identifikujeme možnosti elektrokardiografického parametra QT intervalu v hodnotení úspešnosti, prípadne nežiaducich účinkov antihypertenzívnej terapie. / In the review article, we identify the possibilities of the electrocardiographic parameter of the QT interval in the evaluation of the efficacy or adverse reactions of antihypertensive therapy.
OCA19. Charakteristika dopadu výstupu a súvisiacich aktivít na vzdelávací proces / Characteristics of the output and related activities' impact on the educational process <i>Rozsah do 200 slov v slovenskom jazyku / Range up to 200 words in Slovak</i> <i>Rozsah do 200 slov v anglickom jazyku / Range up to 200 words in English</i>	Zistené výsledky môžu byť prezentované v rámci prednášok z farmakológie a klinickej farmakológie a klinickej farmácie v rámci témy antihypertenzívna terapia. /The results can be presented in lectures of pharmacology and clinical pharmacology and clinical pharmacy as a part of the topic of antihypertensive therapy.